L	Hits	Search Text	DB	Time stamp
Number	113	double near encrypt\$	USPAT	2003/08/07
1	112	double hear encrypts	OSPAI	09:37
2	75	(double near encrypt\$) WITH key	USPAT	2003/08/07 09:38
3	51	((double near encrypt\$) WITH key) and advantag\$	USPAT	2003/08/07
-	3159	shibata.in.	USPAT	2003/03/17
-	9	shibata-osamu.in.	USPAT	2003/03/17
-	2	yugawa-taihei.in.	USPAT	11:49 2003/03/17
-	3	SEKIBE-TSUTOMU.in.	USPAT	11:50 2003/03/17
-	2	HIROTA-TERUTO.in.	USPAT	11:50 2003/03/17
-	23	SAITO-YOSHIYUKI.in.	USPAT	11:52 2003/04/29
-	0	OTAKE-TOSHIHIKO.in.	USPAT	10:46   2003/03/17
_	121	713/169.ccls.	USPAT	11:53 2003/04/28
_	51	713/169.ccls. AND @pd<=20000114	USPAT	14:30   2003/03/17
-	13	713/169.ccls. AND (access near	USPAT	12:02 2003/03/17
-	40635	information) storage near medium	USPAT	11:56 2003/03/17
-	3749	(storage near medium) same area	USPAT	12:02   2003/03/17   12:02
-	14	((storage near medium) same area) same authentication	USPAT	2003/08/05 11:46
-	101	(srambled or encrypted) near10 (access	USPAT	2003/03/17 13:47
-	819	near information) challenge near response	USPAT	2003/03/17 13:22
_	77	(challenge near response) and (storage near medium)	USPAT	13:22   2003/03/17   13:27
-	О	(challenge near response) and (web near publish\$)	USPAT	2003/03/17 13:28
_	114	(challenge near response) and web	USPAT	2003/03/17 13:28
-	12	Stefik.in.	USPAT	2003/03/17
_	1	Stefik.in. and (challenge near response)	USPAT	2003/03/17
<u>-</u>	- 81.9		USPAT	2003/03/17
_	49	(challenge near response) same database	USPAT	2003/03/17
_	12251	access near information	USPAT	2003/03/17
_	2612	(access near information) same (database or medium)	USPAT	2003/03/17
_	1084	(access near information) WITH (pointer or identifier or location or ID)	USPAT	2003/03/17
_	152	((access near information) WITH (pointer or identifier or location or	USPAT	2003/03/17 14:36
_	446	ID)) same database PIN WITH identifier	USPAT	2003/03/17
_	71	(PIN WITH identifier) same database	USPAT	14:36 2003/03/17
-	161	707/9.cor.	USPAT	15:49 2003/03/18
_	42	4956769.URPN.	USPAT	08:46
_	1	707/9.cor. and (challenge near	USPAT	15:24 2003/03/17 15:29
L	L	response)	<u> </u>	13.43

Search History 8/7/03 9:47:10 AM Page 1

1 "5774551".PN.		1	"5577209".PN.	USPAT	2003/03/17
1		_			15:28
1	-	1	"5774551".PN.	USPAT	1 - 1
1   5065429.pn.   USPAT   2003/03/17   15:37   2003/03/17   1748   ID with pointer   USPAT   2003/03/17   15:37   2003/03/17   15:37   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:49   2003/03/17   15:54   2003/03/17   16:54   2003/03/17   16:54   2003/03/17   16:54   2003/03/17   16:54   2003/03/17   16:54   2003/03/17   16:54   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   16:16   2003/03/17   2003/03/18	-	1	"5875296".PN.	USPAT	2003/03/17
1   5065429.pn. and random	-	1	5065429.pn.	USPAT	2003/03/17
1748   ID with pointer	-	1	5065429.pn. and random	USPAT	2003/03/17
12	-	1748	ID with pointer	USPAT	2003/03/17
Total Continue   Tota	-	12	(ID with pointer) same advantage	USPAT	2003/03/17
- 48 concatenated with (random near number) USPAT 2003/03/17 16:54 - 21 (concatenated with (random near number)) AND database - 6 ((concatenated with (random near number)) AND database) and (challenge near response) - 141 pad\$ same (random near number) USPAT 2003/03/17 - 14 (scrambl\$ WITH (username or ID)) same (benefit or benefits or advantage) uSPAT 2003/03/17 - 392 scrambl\$ WITH (username or ID) USPAT 2003/03/17 - 1 5065429.pn. USPAT 2003/03/17 - 0 5065429.pn. USPAT 2003/03/17 - 0 5065429.pn. and pad\$ USPAT 2003/03/17 - 109 concatenat\$ with (random near number) USPAT 2003/03/17 - 109 concatenat\$ with (random near number) USPAT 2003/03/17 - 109 concatenat\$ with (random near number) USPAT 2003/03/17 - 109 same (random near number) USPAT 2003/03/17 - 109 to database and decrypt\$ USPAT 2003/03/17 - 109 store same (random near number near uspat 2003/03/17 - 1 4,386,266.pn. and seed USPAT 2003/03/17 - 21 store same (random near number near uspat 2003/03/17 - 21 store same (random near number near uspat 2003/03/17 - 21 store wilth(random near number near uspat 2003/03/17 - 21 store wilth(random near number near uspat 2003/03/18 - 37 380/262.cor. and seed USPAT 2003/03/18 - 2003/03/18 - 37 380/262.cor. and seed USPAT 2003/03/18	_	7		USPAT	2003/03/17
Concatenated with (random near number)   AND database ((concatenated with (random near number))   AND database ((concatenated with (random near number))   AND database)   and (challenge near response)     16:16     16:17     16:16     16:17	-	48		USPAT	2003/03/17
Concatenated with (random near number)   AND database) and (challenge near response)   pad\$ same (random near number)   USPAT   2003/03/17   16:16   16:17   16:17   16:17   16:17   16:21   2003/03/17   16:21   2003/03/17   16:21   2003/03/17   16:36   2003/03/17   16:36   2003/03/17   16:36   2003/03/17   2003/03/18   2003/03/	_	21		USPAT	2003/03/17
-   141   pad\$ same (random near number)	-	6	((concatenated with (random near number)) AND database) and (challenge	USPAT	2003/03/17
1	_	141	1 · · · · · · · · · · · · · · · · · · ·	USPAT	· ' '
- 392 scrambl\$ WITH (username or ID) USPAT 2003/03/17 16:36 - 1 5065429.pn. USPAT 2003/03/17 16:37 - 0 5065429.pn. and pad\$ USPAT 2003/03/17 16:37 - 0 5065429.pn. and pad USPAT 2003/03/17 16:37 - 109 concatenat\$ with (random near number) USPAT 2003/03/17 17:03 - 1 4,386,266.pn. USPAT 2003/03/17 17:06 - 1 4,386,266.pn. and decrypt\$ USPAT 2003/03/17 17:06 - 0 4,386,266.pn. and seed USPAT 2003/03/17 17:16 - 0 store same (random near number near uSPAT 2003/03/17 17:16 - 21 store same (random near number near uSPAT 2003/03/17 17:17 - 21 store with (random near number near uSPAT 2003/03/17 17:18 - 21 store with (random near number near uSPAT 2003/03/17 17:18 - 3 store with (random near number near uSPAT 2003/03/18 08:29 - 37 380/262.cor. USPAT 2003/03/18 08:29 - 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	-	1		USPAT	2003/03/17
- 1 5065429.pn.	-	392		USPAT	2003/03/17
- 0 5065429.pn. and pad\$  - 0 5065429.pn. and pad  - 109 concatenat\$ with (random near number)  - 1 4,386,266.pn.  - 1 4,386,266.pn. and decrypt\$  - 1 4,386,266.pn. and seed  - 0 4,386,266.pn. and seed  - 0 4,386,266.pn. and seed  - 1 2 store same (random near number near seed)  - 2 2 store same (random near number near seed)  - 3 5065429.pn. and pad  - 2 1 4,386,266.pn.  - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	_	1	5065429.pn.	USPAT	2003/03/17
- 0 5065429.pn. and pad USPAT 2003/03/17 16:37 - 109 concatenat\$ with (random near number) USPAT 2003/03/17 17:03 - 1 4,386,266.pn. USPAT 2003/03/17 17:00 - 1 4,386,266.pn. and decrypt\$ USPAT 2003/03/17 17:06 - 0 4,386,266.pn. and seed USPAT 2003/03/17 17:16 - 0 store same (random near number near USPAT 2003/03/17 17:16 - 1 21 store same (random near number near USPAT 2003/03/17 17:18 - 21 store with (random near number near USPAT 2003/03/17 17:18 - 3 store With (random near number near USPAT 2003/03/18 seed) USPAT 2003/03/18 08:29 - 37 380/262.cor. USPAT 2003/03/18 08:29 - 380/262.cor. and seed USPAT 2003/03/18 - 380/262.cor. and seed USPAT 2003/03/18	_	0	5065429.pn. and pad\$	USPAT	2003/03/17
- 109 concatenat\$ with (random near number) USPAT 2003/03/17 17:03   - 1 4,386,266.pn. USPAT 2003/03/17 17:00   - 1 4,386,266.pn. and decrypt\$ USPAT 2003/03/17 17:06   - 0 4,386,266.pn. and seed USPAT 2003/03/17 17:16   - 0 store same (random near number near 2003/03/17 17:16   - 21 store same (random near number near 2003/03/17 17:17   21 store with (random near number near 2003/03/17 17:18   - 8 store with (random near number near 2003/03/18 17:18   - 40 store with (random near number near 2003/03/18 08:29   - 37 380/262.cor. USPAT 2003/03/18 08:29   - 11 380/262.cor. and seed USPAT 2003/03/18 08:29   - 3 380/262.cor. and (store with seed) USPAT 2003/03/18 08:29   - 3 380/262.cor. and (store with seed) USPAT 2003/03/18	-	0	5065429.pn. and pad	USPAT	2003/03/17
- 1 4,386,266.pn.	_	109	concatenat\$ with (random near number)	USPAT	2003/03/17
- 1 4,386,266.pn. and decrypt\$ USPAT 2003/03/17 17:06 - 0 4,386,266.pn. and seed USPAT 2003/03/17 17:16 - 0 store same (randon near number near uspat 2003/03/17 17:16 - 21 store same (random near number near uspat 2003/03/17 seed) - 21 store with (random near number near uspat 2003/03/17 17:18 - 8 store with (random near number near uspat 2003/03/18 08:20 - 40 store with (random near seed) USPAT 2003/03/18 08:29 - 37 380/262.cor. and seed USPAT 2003/03/18 08:29 - 11 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and (store with seed) USPAT 2003/03/18	_	1	4,386,266.pn.	USPAT	2003/03/17
- 0 4,386,266.pn. and seed USPAT 2003/03/17 17:16 - 0 store same (randon near number near seed) USPAT 2003/03/17 17:17 - 21 store same (random near number near seed) USPAT 2003/03/17 17:18 - 21 store same (random near number near seed) USPAT 2003/03/18 2003/03/18 - 40 store WITH(random near seed) USPAT 2003/03/18 08:29 - 37 380/262.cor. USPAT 2003/03/18 08:29 - 11 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	-	1	4,386,266.pn. and decrypt\$	USPAT	2003/03/17
- 0 store same (randon near number near seed) 17:17 - 21 store same (random near number near seed) 17:18 - 8 store WITH(random near number near seed) 17:18 - 40 store WITH(random near5 seed) USPAT 2003/03/18 - 40 store WITH(random near5 seed) USPAT 2003/03/18 - 37 380/262.cor. USPAT 2003/03/18 - 11 380/262.cor. and seed USPAT 2003/03/18 - 3 380/262.cor. and seed USPAT 2003/03/18 - 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	_	0	4,386,266.pn. and seed	USPAT	2003/03/17
- 21 store same (random near number near seed) - 8 store WITH(random near number near seed) - 40 store WITH(random near5 seed) - 37 380/262.cor 11 380/262.cor. and seed - 3 380/262.cor. and (store WITH seed)	-	0	,	USPAT	2003/03/17
- 8 store WITH(random near number near seed)	-	21	store same (random near number near	USPAT	1
- 40 store WITH(random near5 seed) USPAT 2003/03/18 08:29 - 37 380/262.cor. USPAT 2003/03/18 08:29 - 11 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	-	. 8	store WITH(random near number near	USPAT	2003/03/18
- 37 380/262.cor. USPAT 2003/03/18 08:29 - 11 380/262.cor. and seed USPAT 2003/03/18 08:29 - 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	-	40		USPAT	2003/03/18
- 11 380/262.cor. and seed USPAT 2003/03/18 08:29 2003/03/18	-	37	380/262.cor.	USPAT	2003/03/18
- 3 380/262.cor. and (store WITH seed) USPAT 2003/03/18	_	11	380/262.cor. and seed	USPAT	2003/03/18
	-	3	380/262.cor. and (store WITH seed)	USPAT	2003/03/18
- 9 707/9.cor. AND PIN USPAT 2003/03/18 09:02	-	9	707/9.cor. AND PIN	USPAT	2003/03/18
- 1 5638448.pn. USPAT 2003/03/18 08:57	-	1	5638448.pn.	USPAT	2003/03/18
- 1 5638448.pn. and challenge USPAT 2003/03/18 08:57	_	1	5638448.pn. and challenge	USPAT	2003/03/18
- 72 707/9.cor. AND ID USPAT 2003/03/18 09:28	-	72	707/9.cor. AND ID	USPAT	2003/03/18
- 7 707/9.cor. AND (ID with location) USPAT 2003/03/18 09:28	-	7	707/9.cor. AND (ID with location)	USPAT	2003/03/18
- 1 5065429.pn. and (challenge near USPAT 2003/04/21 response) 11:09	-	1		USPAT	2003/04/21
- 909 challenge near response USPAT 2003/04/21 12:00	-	909		USPAT	2003/04/21

	721	(challenge near response) and (storage	USPAT	2003/04/21
	332	or media or medium) ((challenge near response) and (storage	USPAT	12:33
-	332	or media or medium)) and encrypt\$	USPAI	11:10
-	1	5065429.pn.	USPAT	2003/04/21
-	0	"6590470".PN.	USPAT	2003/04/21 11:57
-	0	"6590470".PN.	USPAT	2003/04/21
-	0	"6590470".PN.	USPAT	2003/04/21 11:58
-	1	"4941175".PN.	USPAT	2003/04/21 11:58
-	1	"4930073".PN.	USPAT	2003/04/21
_	253	(challenge near response) and (random near number) and encrypt\$	USPAT	2003/04/21
_	66	(challenge near response) same (storage or media or medium)	USPAT	2003/04/21
-	59	(challenge near response) same database	USPAT	2003/04/21
-	1	5822539.pn.	USPAT	2003/04/21
-	4153	web near server	USPAT	2003/04/21 12:42
-	4	(web near server) same (challenge near response)	USPAT	2003/04/21
-	123	713/169.ccls.	USPAT	2003/04/21
-	28	713/169.ccls. and (challenge near response)	USPAT	2003/04/21
-	15	713/169.ccls. and (challenge near response) and mutual	USPAT	2003/04/21
-	225	mutual near authentication	USPAT	2003/04/21
-	50	(mutual near authentication) and (challenge near response)	USPAT	2003/04/21
-	23	((mutual near authentication) and (challenge near response)) and identifier	USPAT	2003/04/21 13:24
-	1	4,919,545.pn.	USPAT	2003/04/21
-	0	4,919,545.pn. and mutual and challenge	USPAT	2003/04/21
-	0	4,919,545.pn. and mutual	USPAT	2003/04/21
-	0	4,919,545.pn. and challenge	USPAT	2003/04/21
-	37	(mutual near authentication) and (storage near medium)	USPAT	2003/04/21 15:26
-	87520	mutual authentication	USPAT	2003/04/21 15:26
-	4	(mutual near authentication ) same advantage	USPAT	2003/04/21 15:32
-	15	sollish.in.	EPO; DERWENT	2003/04/21 15:34
-	84	authent\$ WITH (storage near medium)	EPO; DERWENT	2003/04/21 15:35
-	2	(authent\$ WITH (storage near medium)) same (challenge near response)	EPO; DERWENT	2003/04/21
-	1	6058476.pn.	USPAT	2003/04/21 15:57
-	0	10-51439	JPO	2003/04/21
-	365137	matsushita.as.	JPO	2003/04/21 15:49
-	29951	matsushita.as. and "1998"	JPO	2003/04/21
-	0	(matsushita.as. and "1998") and "6058476"	JPO	2003/04/21 15:50

-	4	809379.pn.	EPO;	2003/04/21
			DERWENT	16:28
-	55	(identifier same advantage) and	EPO;	2003/04/21
		encrypt\$	DERWENT	16:28
-	1139	identifier same advantage	USPAT	2003/04/21
				16:29
-	147	(identifier same advantage) and	USPAT	2003/04/22
	_	encrypt\$		15:20
-	1	6058476.pn.	USPAT	2003/04/21
	,	C050476 www. and authorate	HCDAM	16:55
_	1	6058476.pn. and extract\$	USPAT	2003/04/21 16:56
_	14	epstein-michael.in.	USPAT	2003/04/22
-	14	epstern-michaer.in.	OJEKI	15:20
_	18	epstein and ticket	USPAT	2003/04/22
	10	cpstcin and tionet	001111	15:20
_	1	5894596.pn.	USPAT	2003/04/28
	_	002.020.p		14:30
_	1	5894596.pn. and first	USPAT	2003/04/28
	_		-	14:39
-	1	5894596.pn. and power	USPAT	2003/04/28
		•		14:39
-	0	5894596.pn. and on	USPAT	2003/04/28
				14:40
-	17	power near on	USPAT	2003/04/28
				14:41
-	3	(power near on) and phone	USPAT	2003/04/28
	_	ļ., , , , , , , , , , , , , , , , , , ,		14:40
-	0	(power near on) and warranty	USPAT	2003/04/28
	2041		TICDAM.	14:41
-	2241	warranty	USPAT	2003/04/28
_	256	warranty and phone	USPAT	2003/04/28
_	256	warrancy and phone	OSFAI	14:42
_	169	(warranty and phone) and power	USPAT	2003/04/28
	103	(wallancy and phone, and power	0021112	14:44
_	74	((warranty and phone) and power) and	USPAT	2003/04/28
		cellular		14:46
_	68	(((warranty and phone) and power) and	USPAT	2003/04/28
		cellular) and first		15:34
-	7329	message near request	USPAT	2003/04/28
				15:34
-	1678	(message near request) and cellular	USPAT	2003/04/28
	_			15:34
_	0	((message near request) and cellular)	USPAT	2003/04/28
	1026	and warranty ((message near request) and cellular)	USPAT	15:35 2003/04/28
_	1026	and input	USPAI	15:39
_	1010	((.(message near request) and cellular)	USPAT	2.003/04/28
1	1010	and input) and information		15:39
_	176	(((message near request) and cellular)	USPAT	2003/04/28
		and input) and (service near		15:42
		information)		1
-	2605	try near again	USPAT	2003/04/28
				15:42
-	301	(try near again) and cellular	USPAT	2003/04/28
				15:42
-	225	mutual near authentication	USPAT	2003/04/29
		l		10:10
-	50	(mutual near authentication ) and	USPAT	2003/04/29
	_	(challenge near response)	IICDAM	10:24
-	1	5745571.pn.	USPAT	2003/04/29
_	1	5790666.pn.	USPAT	2003/04/29
_	1	3/2000.pii.	JALAI	10:26
-	1	5917915.pn.	USPAT	2003/04/29
	1			10:26
_	39	713/165.cor.	USPAT	2003/04/29
1				10:50
-	1	713/165.cor. and (challenge near	USPAT	2003/04/29
		response)	<u></u>	10:46

Search History 8/7/03 9:47:10 AM Page 4

Γ-	35	713/170.cor.	USPAT	2003/04/29
				10:51
-	4	713/170.cor. and (challenge near response)	USPAT	2003/04/29
-	163	713/170.ccls.	USPAT	2003/04/29
-	18	713/170.ccls. and (challenge near response)	USPAT	2003/04/29
_	1106	713/200.ccls.	USPAT	2003/04/29
-	33	713/200.ccls. and (challenge near response)	USPAT	2003/04/29
_	27	(713/200.ccls. and (challenge near response)) and storage	USPAT	2003/04/29
_	176	380/201.ccls.	USPAT	2003/04/29
-	6	380/201.ccls. and (challenge near response)	USPAT	2003/04/29 11:07
-	11	713/193.ccls. and (challenge near response)	USPAT	2003/04/29 11:07
-	315	713/193.ccls.	USPAT	2003/04/29
-	4	713/193.ccls. and (mutual near authentication)	USPAT	2003/04/29
_	274	705/51.ccls.	USPAT	2003/04/29
_	16	705/51.ccls. and ((mutual near authentication) or (challenge near	USPAT	11:11   2003/04/29   11:11
		response))		
-	212	705/57.ccls.	USPAT	2003/04/29   11:11
-	8	705/57.ccls. and ((mutual near authentication) or (challenge near	USPAT	2003/04/29 11:11
_	1	response)) 5,649,185.pn.	USPAT	2003/08/05
-	1	5,649,185.pn. and advantag\$	USPAT	2003/08/05
-	1	5,649,185.pn. and (random near number)	USPAT	2003/08/05
_	1	6058476.pn.	USPAT	2003/08/05
-	0	6058476.pn. and seed	USPAT	2003/08/05
_	0	5,649,185.pn. and seed	USPAT	2003/08/05 12:42
_	12031	random near number	USPAT	2003/08/05 12:42
-	870	(random near number) same seed	USPAT	2003/08/05 - 12:44
-	39	(random near number) same (store WITH seed)	USPAT	2003/08/05
_	1	5193115.pn.	USPAT	2003/08/05
_	1	5193115.pn. and advantag\$	USPAT	2003/08/05
_	1	6058476.pn. and challenge	USPAT	2003/08/06
_	1	6058476.pn. and algorithm	USPAT	2003/08/06
_	0	6058476.pn. and (content near key)	USPAT	2003/08/06
_	1	6058476.pn.	USPAT	2003/08/06 13:17
-	1	"5745571".PN.	USPAT	2003/08/06 13:37
-	1	"5790666".PN.	USPAT	2003/08/06 13:22
-	1	"5917915".PN.	USPAT	2003/08/06
L	L	I	I	13.66

-	0	"5745571".PN. and challenge	USPAT	2003/08/06
				17:08
-	1	5649185.pn.	USPAT	2003/08/06
	_			17:08
-	0	5649185.pn. and double	USPAT	2003/08/06
				17:08

Search History 8/7/03 9:47:10 AM Page 6